

10/14/05

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1612RXD

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

*updated*

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JUL 20 Powerful new interactive analysis and visualization software,  
STN AnaVist, now available  
NEWS 4 AUG 11 STN AnaVist workshops to be held in North America  
NEWS 5 AUG 30 CA/CaPlus -Increased access to 19th century research documents  
NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions  
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY  
NEWS 8 OCT 03 MATHDI removed from STN  
NEWS 9 OCT 04 CA/CaPlus-Canadian Intellectual Property Office (CIPO) added  
to core patent offices  
NEWS 10 OCT 06 STN AnaVist workshops to be held in North America  
NEWS 11 OCT 13 New CAS Information Use Policies Effective October 17, 2005

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer  
agreement. Please note that this agreement limits use to scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may  
result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:42:29 ON 14 OCT 2005

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 16:42:39 ON 14 OCT 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

10616178

10/14/05

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 12 OCT 2005 HIGHEST RN 865114-63-2  
DICTIONARY FILE UPDATES: 12 OCT 2005 HIGHEST RN 865114-63-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s amonafide/cn  
L1 1 AMONAFIDE/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 69408-81-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 5-amino-2-[2-(dimethylamino)ethyl]-  
(9CI) (CA INDEX NAME)

OTHER NAMES:

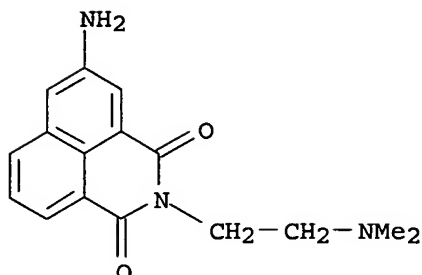
CN **Amonafide**  
CN FA 142  
CN M-FA 142  
CN MADE-FA 142  
CN Nafidimide  
CN NCI 308847  
CN NSC 308847  
FS 3D CONCORD  
MF C16 H17 N3 O2  
CI COM

LC STN Files: ADISINSIGHT, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CIN, DDFU, DRUGU, EMBASE,  
IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, PHAR, PROMT, PROUSDDR, RTECS\*,  
SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

10616178

10/14/05

(\*File contains numerically searchable property data)  
Other Sources: WHO



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

100 REFERENCES IN FILE CA (1907 TO DATE)  
9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
100 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s mitonfide/cn  
L2 0 MITONFIDE/CN

=> s mitonafide/cn  
L3 1 MITONAFIDE/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 54824-17-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 2-[2-(dimethylamino)ethyl]-5-nitro-  
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3-Nitro-N-(2-dimethylaminoethyl)-1,8-naphthalimide

CN M 4212

CN M 4212 (pharmaceutical)

CN **Mitonafide**

CN NSC 300288

FS 3D CONCORD

MF C16 H15 N3 O4

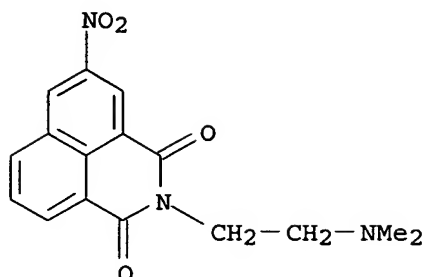
CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IFICDB,  
IFIPAT, IFIUDB, IMSRESEARCH, IPA, MEDLINE, PHAR, PROUSDDR, RTECS\*,  
SCISEARCH, TOXCENTER, USAN, USPATFULL

(\*File contains numerically searchable property data)  
Other Sources: WHO

10616178

10/14/05



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

56 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
56 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file casreact  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
21.35	21.56

FULL ESTIMATED COST

FILE 'CASREACT' ENTERED AT 16:47:46 ON 14 OCT 2005  
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE CONTENT:1840 - 9 Oct 2005 VOL 143 ISS 15

New CAS Information Use Policies, enter HELP USAGETERMS for details.

\*\*\*\*\*  
\*  
\* CASREACT now has more than 9.2 million reactions \*  
\*  
\*\*\*\*\*

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

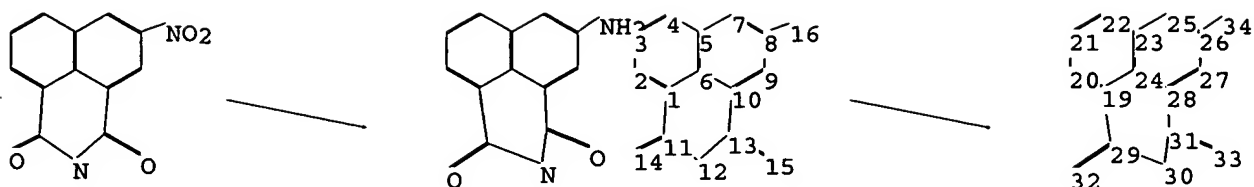
This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

Uploading C:\Program Files\Stnexp\Queries\10616178.str

10616178

10/14/05



chain nodes :

14 15 16 32 33 34

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 19 20 21 22 23 24 25 26 27 28  
29 30 31

chain bonds :

8-16 11-14 13-15 26-34 29-32 31-33

ring bonds :

1-2 1-6 1-11 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 10-13 11-12 12-13  
19-20 19-24 19-29 20-21 21-22 22-23 23-24 23-25 24-28 25-26 26-27 27-28  
28-31 29-30 30-31

exact/norm bonds :

1-11 10-13 11-12 11-14 12-13 13-15 19-29 26-34 28-31 29-30 29-32 30-31  
31-33

exact bonds :

8-16

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 19-20 19-24 20-21 21-22  
22-23 23-24 23-25 24-28 25-26 26-27 27-28

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 19:Atom 20:Atom 21:Atom  
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom  
31:Atom 32:CLASS 33:CLASS 34:CLASS

fragments assigned reactant/reagent role:  
containing 1

L4 STRUCTURE UPLOADED

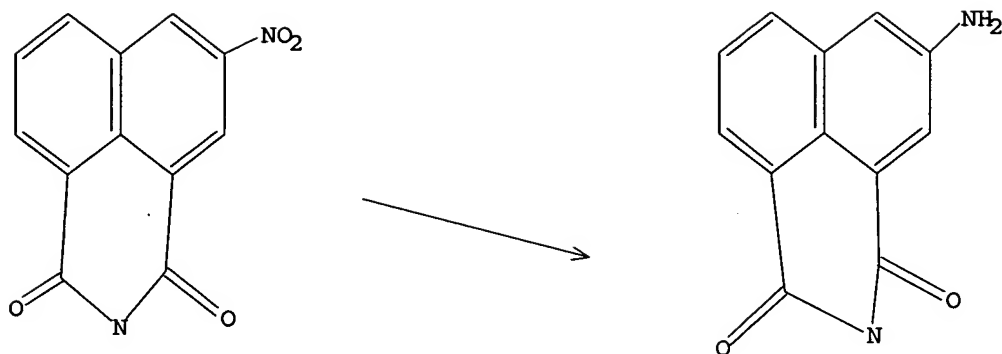
=> d 14

L4 HAS NO ANSWERS

L4 STR

10616178

10/14/05



Structure attributes must be viewed using STN Express query preparation.

=> sl4

SL4 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s l4

SAMPLE SEARCH INITIATED 16:49:45 FILE 'CASREACT'

SCREENING COMPLETE - 4 REACTIONS TO VERIFY FROM 1 DOCUMENTS

100.0% DONE 4 VERIFIED 1 HIT RXNS 1 DOCS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED VERIFICATIONS: 4 TO 199

PROJECTED ANSWERS: 1 TO 79

L5 1 SEA SSS SAM L4 ( 1 REACTIONS)

=> s l4 ful

FULL SEARCH INITIATED 16:49:51 FILE 'CASREACT'

SCREENING COMPLETE - 103 REACTIONS TO VERIFY FROM 22 DOCUMENTS

100.0% DONE 103 VERIFIED 16 HIT RXNS 8 DOCS

SEARCH TIME: 00.00.01

L6 8 SEA SSS FUL L4 ( 16 REACTIONS)

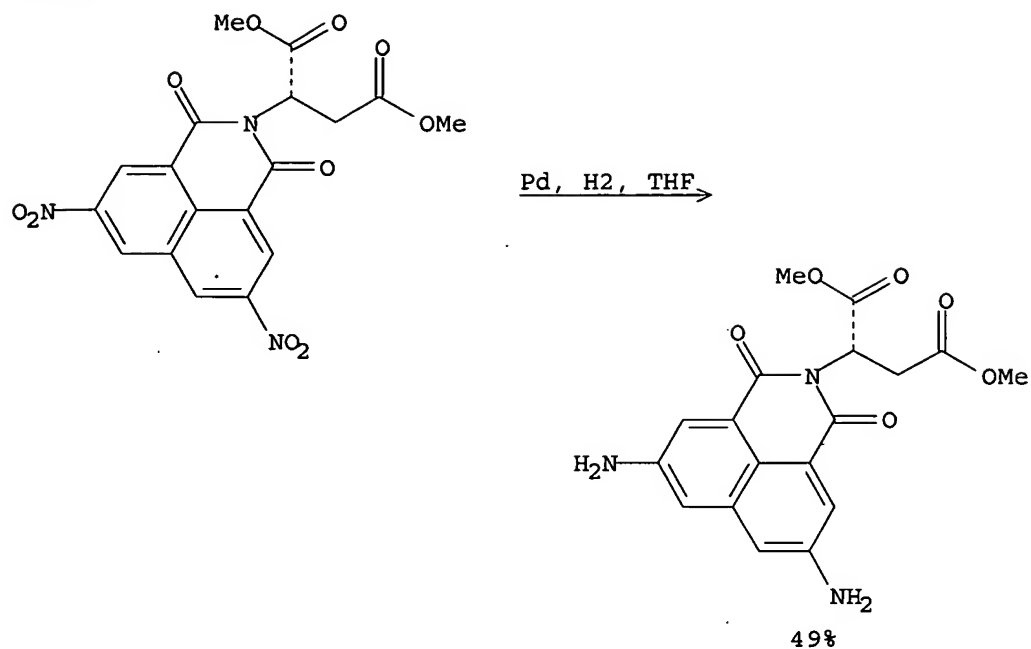
=> d 1-8

L6 ANSWER 1 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

10616178

10/14/05

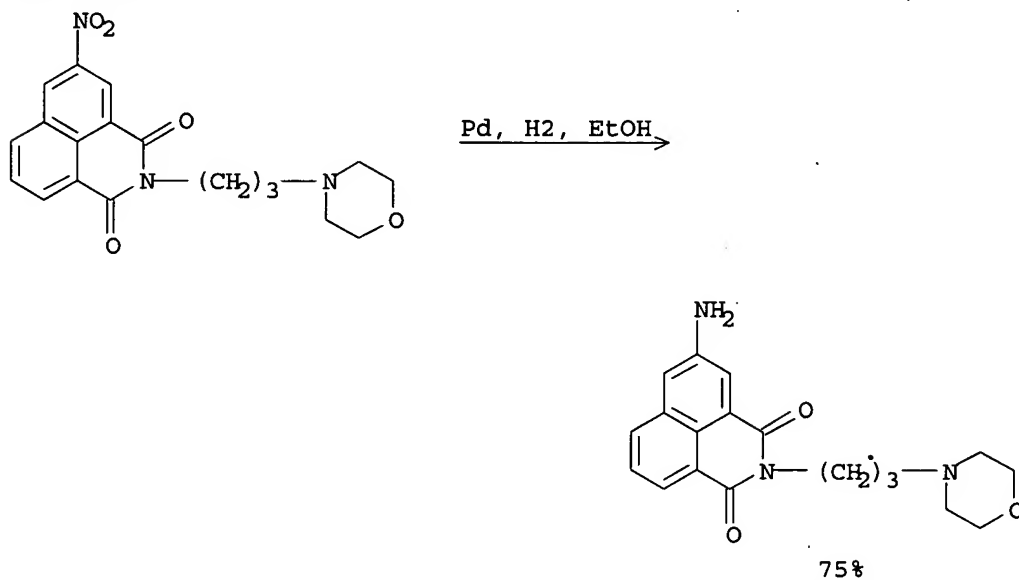
RX(19) OF 66



REF: Journal of the American Chemical Society, 127(2), 559-566; 2005  
CON: 24 hours, room temperature, 150 psi

L6 ANSWER 2 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 27



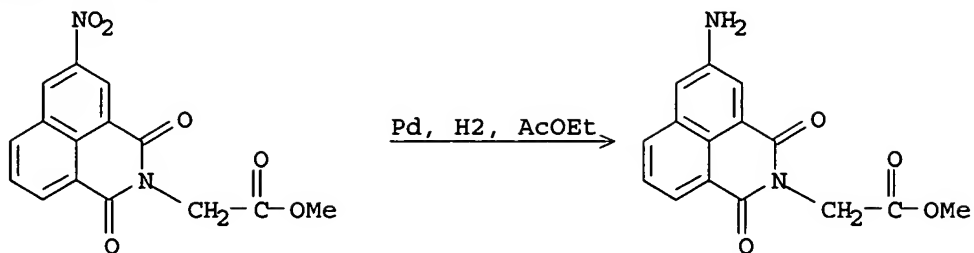
REF: Journal of Heterocyclic Chemistry, 23(3), 849-55; 1986

L6 ANSWER 3 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

10616178

10/14/05

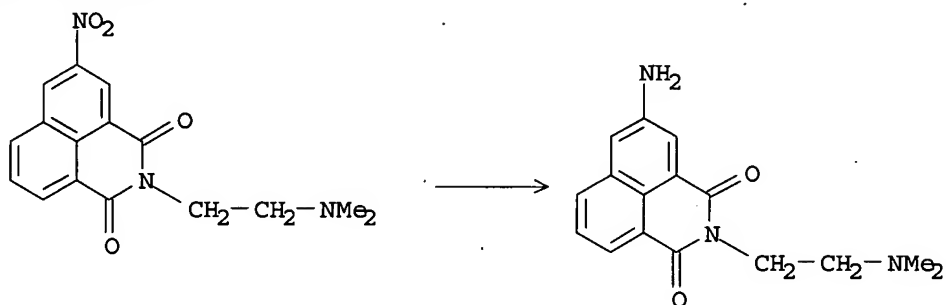
RX(3) OF 23



REF: Journal of Medicinal Chemistry, 29(11), 2384-9; 1986

L6 ANSWER 4 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

RX(34) OF 60



HCl

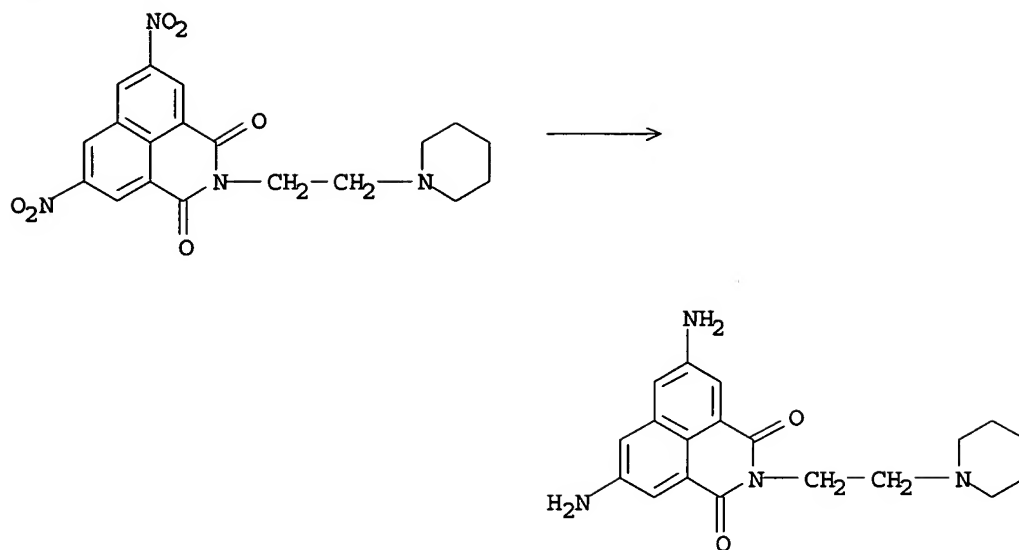
REF: Journal of Medicinal Chemistry, 28(9), 1216-22; 1985

L6 ANSWER 5 OF 8 CASREACT COPYRIGHT 2005 ACS on STN



10/14/05

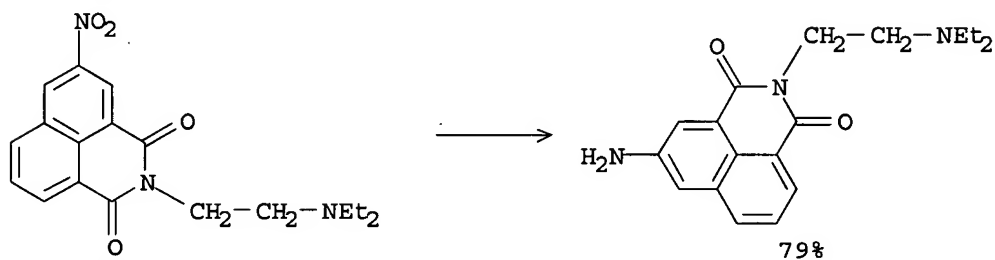
RX(2) OF 2



REF: Eur. Pat. Appl., 125439, 21 Nov 1984

L6 ANSWER 6 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

RX(6) OF 44



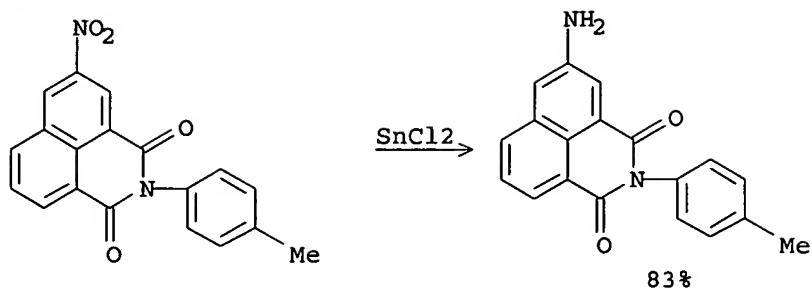
REF: Farmaco, Edizione Scientifica, 37(2), 105-15; 1982

L6 ANSWER 7 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

10616178

10/14/05

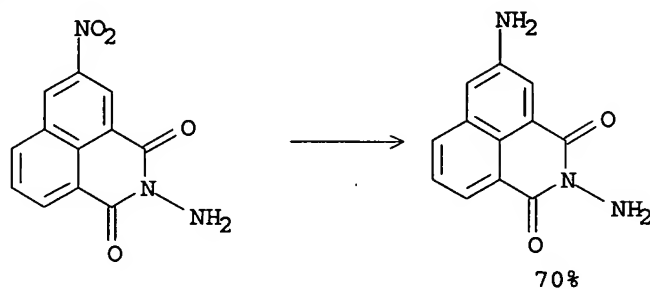
RX(1) OF 3



REF: Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie, 358(4), 505-11; 1977

L6 ANSWER 8 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

RX(4) OF 39



REF: Stsintillyatory i Organ. Lyuminofoxy, (4), 5-15; 1975

=> s l5 and ammonium formate

12413 AMMONIUM  
11 AMMONIUMS  
12415 AMMONIUM  
(AMMONIUM OR AMMONIUMS)  
3218 FORMATE  
308 FORMATES  
3302 FORMATE  
(FORMATE OR FORMATES)  
370 AMMONIUM FORMATE  
(AMMONIUM(W) FORMATE)

L7 0 L5 AND AMMONIUM FORMATE

=> d his

(FILE 'HOME' ENTERED AT 16:42:29 ON 14 OCT 2005)

FILE 'REGISTRY' ENTERED AT 16:42:39 ON 14 OCT 2005

L1 1 S AMONAFIDE/CN  
L2 0 S MITONFIDE/CN  
L3 1 S MITONAFIDE/CN

FILE 'CASREACT' ENTERED AT 16:47:46 ON 14 OCT 2005

10616178

10/14/05

L4               STRUCTURE UPLOADED  
L5               1 S L4  
L6               8 S L4 FUL  
L7               0 S L5 AND AMMONIUM FORMATE

=> s l6 and ammonium  
      12413 AMMONIUM  
      11 AMMONIUMS  
      12415 AMMONIUM  
          (AMMONIUM OR AMMONIUMS)  
L8               0 L6 AND AMMONIUM

=> s l6 and formate  
      3218 FORMATE  
      308 FORMATES  
      3302 FORMATE  
          (FORMATE OR FORMATES)  
L9               0 L6 AND FORMATE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	138.53	160.09

FILE 'REGISTRY' ENTERED AT 16:53:09 ON 14 OCT 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 12 OCT 2005 HIGHEST RN 865114-63-2  
DICTIONARY FILE UPDATES: 12 OCT 2005 HIGHEST RN 865114-63-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

10616178

10/14/05

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.43

160.52

FILE 'CAPLUS' ENTERED AT 16:53:14 ON 14 OCT 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 14 Oct 2005 VOL 143 ISS 17

FILE LAST UPDATED: 13 Oct 2005 (20051013/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 16

L10

8 L6

=> d abs bib hitstr 1-8

L10 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

AB A series of aromatic compds. were prepared bearing two maleimide groups attached directly to the fluorescent cores. The resulting derivs. do not fluoresce until the maleimide groups undergo their typical thiol addition reaction, thus removing their ability to quench fluorescence, as shown by kinetic and spectral characterization studies. In this way, the title compds. serve as fluorogens capable of detection of small thiols or appropriately sized dithiols. Recombinant  $\alpha$ -helical proteins were then designed to bear two cysteine residues capable of regioselective dithiol addition reaction with the dimaleimide fluorogens, thus acting as spatially encoded substrates that form specifically labeled covalent complexes. The efficiency of this in vitro fluorescent protein-labeling reaction demonstrates the feasibility of the development of a method for the fluorescent labeling of specific recombinant proteins.

AN 2004:1086414 CAPLUS

DN 142:218826

TI Synthesis and Characterization of Dimaleimide Fluorogens Designed for Specific Labeling of Proteins

AU Girouard, Stephane; Houle, Marie-Helene; Grandbois, Alain; Keillor, Jeffrey W.; Michnick, Stephen W.

CS Department of Chemistry, Department of Biochemistry, Universite de Montreal, Montreal, QC, H3C 3J7, Can.

SO Journal of the American Chemical Society (2005), 127(2), 559-566  
CODEN: JACSAT; ISSN: 0002-7863

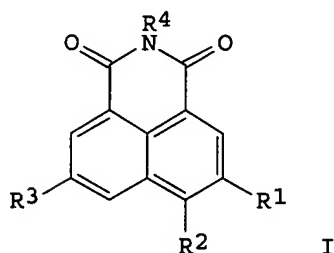
PB American Chemical Society

10616178

10/14/05

DT Journal  
LA English  
OS CASREACT 142:218826  
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN  
GI



AB Title compds. I ( $R_1 = \text{H, NH}_2, \text{OH, MeO, NO}_2, \text{NHAc}$ ;  $R_2 = \text{H, NH}_2, \text{NHCH}_2\text{CH}_2\text{OH, SBU}$ ,  $R_3 = \text{H, NH}_2$ ;  $R_4 = \text{CH}_2\text{CH}_2\text{OH, morpholinopropyl, bromopropyl}$ ) have been prepared and their fluorescence yields measured in water at pH 7.4. The type of substituent and the substitution pattern on the naphthalimide nucleus produce markedly different fluorescence yields (quantum efficiencies,  $\phi_f$ ) varying from  $\phi_f = 0.0037$  for N-(3-morpholinopropyl)-4-amino-3-methoxy-1,8-naphthalimide to  $\phi_f = 0.77$  for N-(3-bromopropyl)-4-acetamido-1,8-naphthalimide.

AN 1987:119668 CAPLUS

DN 106:119668

TI Synthesis and fluorescence of N-substituted-1,8-naphthalimides

AU Middleton, Richard W.; Parrick, John; Clarke, Eric D.; Wardman, Peter

CS Dep. Chem., Brunel Univ., Uxbridge/Middlesex, UB8 3PH, UK

SO Journal of Heterocyclic Chemistry (1986), 23(3), 849-55

CODEN: JHTCAD; ISSN: 0022-152X

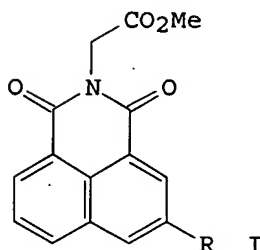
DT Journal

LA English

OS CASREACT 106:119668

L10 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

GI



AB 5-Isothiocyanatoalrestatin (I;  $R = \text{NCS}$ ) and 5-azidoalrestatin (I;  $R = \text{N}_3$ ) were prepd synthetically from 3-nitro-1,8-naphthalic acid anhydride and examined as potential affinity and photoaffinity inhibitors of rat lens.

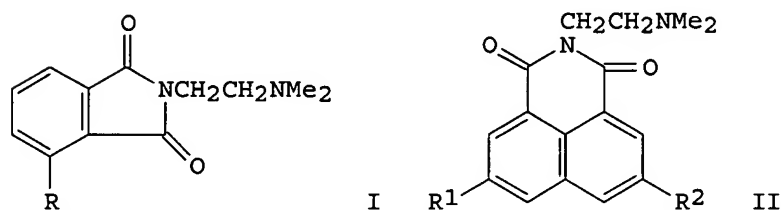
10616178

10/14/05

aldose reductase. Both compound I under appropriate conditions at  $10^{-4}$  M produced a 70% irreversible inactivation of aldose reductase within 1 min. The enzyme could, in part, be protected by preincubation with sorbinil, a known potent inhibitor of aldose reductase.

AN 1987:4841 CAPLUS  
DN 106:4841  
TI Synthesis and biological evaluation of irreversible inhibitors of aldose reductase  
AU Ares, Jeffrey J.; Kador, Peter F.; Miller, Duane D.  
CS Coll. Pharm., Ohio State Univ., Columbus, OH, 43210, USA  
SO Journal of Medicinal Chemistry (1986), 29(11), 2384-9  
CODEN: JMCMAR; ISSN: 0022-2623  
DT Journal  
LA English  
OS CASREACT 106:4841

L10 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN  
GI

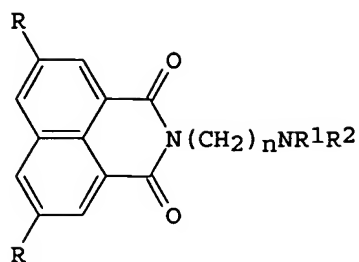


AB A wide variety of N-(aminoalkyl) substituted cyclic imides, e.g. I (R = H, NO<sub>2</sub>, Cl) and II (R<sub>1</sub> = H, NO<sub>2</sub>, R<sub>2</sub> = NO<sub>2</sub>, R<sub>1</sub> = R<sub>2</sub> = NH<sub>2</sub>) were prepared usually from the corresponding anhydrides and diamines. Preliminary biol. activity screening indicated N-(dialkylamino)imides of the 3,6-dinitro- and 3,6-diamino-1,8-naphthalic acid system possessed prominent antileukemic and antimelanoma activity in both in vitro and in vivo tumor systems.

AN 1985:487740 CAPLUS  
DN 103:87740  
TI N-(Aminoalkyl)imide antineoplastic agents. Synthesis and biological activity  
AU Zee-Cheng, Robert K. Y.; Cheng, C. C.  
CS Med. Cent., Univ. Kansas, Kansas City, KS, 66103, USA  
SO Journal of Medicinal Chemistry (1985), 28(9), 1216-22  
CODEN: JMCMAR; ISSN: 0022-2623  
DT Journal  
LA English  
OS CASREACT 103:87740

L10 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN  
GI

10/14/05



AB The title compds. (I, R = O<sub>2</sub>N, H<sub>2</sub>N; R<sub>1</sub>, R<sub>2</sub> = H, alkyl, hydroxyalkyl; NR<sub>1</sub>R<sub>2</sub> = pyrrolidino, morpholino, piperidino; n = 2,3) were prepared Thus, 3,6-dinitro-1,8-naphthalic anhydride in PhMe was treated with N-(2-aminoethyl)piperidine at room temperature 1 h and refluxed azeotropically

1

h to give 73% I (R = O<sub>2</sub>N, NR<sub>1</sub>R<sub>2</sub> = piperidino, n = 2), which inhibited mouse L1210 leukemia cell growth with an ID<sub>50</sub> of 2.9 + 10<sup>-7</sup>M and at 100 mg/mL gave an inhibition zone diameter of 24 mm with Bacillus subtilis 04555 in the agar-disk diffusion assay.

AN 1985:113325 CAPLUS

DN 102:113325

TI 3,6-Disubstituted-1,8-naphthalimides

IN Zee-Cheng, Robert Kwang Yuen; Cheng, Chia Chung

PA Warner-Lambert Co. , USA

SO Eur. Pat. Appl., 36 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 125439	A2	19841121	EP 1984-103254	19840323
	EP 125439	A3	19851204		
	EP 125439	B1	19900124		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4499266	A	19850212	US 1983-481122	19830401
	AT 49753	E	19900215	AT 1984-103254	19840323
	JP 60001166	A2	19850107	JP 1984-65035	19840331
	US 4594346	A	19860610	US 1985-693050	19850122
	US 4665071	A	19870512	US 1985-692986	19850122
	US 4614820	A	19860930	US 1986-829468	19860213
PRAI	US 1983-481122	A	19830401		
	US 1984-581594	A	19840221		
	EP 1984-103254	A	19840323		
	US 1985-700343	A1	19850213		

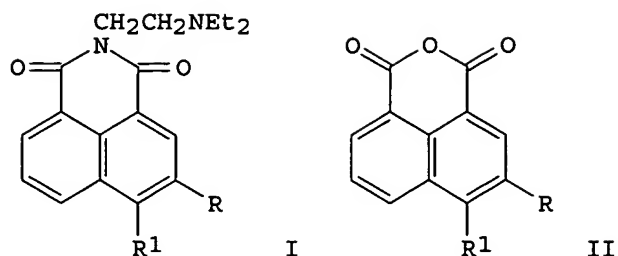
OS CASREACT 102:113325

L10 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

GI

10616178

10/14/05



AB Title imides I (R = NO<sub>2</sub>, NH<sub>2</sub>, NHBu, OH, OMe, Bu; R<sub>1</sub> = H, NO<sub>2</sub>, NH<sub>2</sub>), which were prepared by different methods, showed local anesthetic activity; some I were prepared from the resp. anhydrides II and H<sub>2</sub>NCH<sub>2</sub>CH<sub>2</sub>NEt<sub>2</sub>. II (R = NO<sub>2</sub>, R<sub>1</sub> = H) was heated with H<sub>2</sub>NCH<sub>2</sub>CH<sub>2</sub>NEt<sub>2</sub> in EtOH to give I (R = NO<sub>2</sub>, R<sub>1</sub> = H).

AN 1982:142671 CAPLUS

DN 96:142671

TI Synthesis and local anesthetic activity of some N-β-diethylaminoethyl-naphthalimides

AU Da Settimo, A.; Primofiore, G.; Livi, O.; Tonetti, I.; Tellini, N.; Bianchini, P.

CS Ist. Chim. Farm., Univ. Pisa, Pisa, Italy

SO Farmaco, Edizione Scientifica (1982), 37(2), 105-15

CODEN: FRPSAX; ISSN: 0430-0920

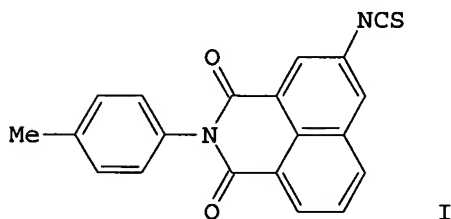
DT Journal

LA English

OS CASREACT 96:142671

L10 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

GI



AB 5-Isothiocyanato-1,3-dioxo-2-p-tolyl-2,3-dihydro-1H-benz[de]isoquinoline (=5-isothiocyanato-1,8-naphthalenedicarbox-4-methylphenylimide) (I) was synthesized from 1H,3H-naphtho[1,8-cd]pyran-1,3-dione (=1,8-naphthalenedicarboxylic anhydride) through nitration, condensation with p-toluidine, reduction with SnCl<sub>2</sub> yielding 5-amino-1,3-dioxo-2-p-tolyl-2,3-dihydro-1H-benz[de]isoquinoline as intermediate, and condensation with thiophosgene. I can be used for qual. and quant. analyses of compds. containing amino groups, including amino acids, amines, and proteins.

AN 1977:401943 CAPLUS

DN 87:1943

TI 5-Isothiocyanato-1,8-naphthalenedicarboxy-4-methylphenylimide, a new fluorescence reagent for compounds containing amino groups

AU Khalaf, Hosni; Rimpler, Manfred

CS Inst. Klin. Biochem. Physiol. Chem., Med. Hochsch. Hannover, Hannover, Fed. Rep. Ger.

10616178



10/14/05

SO Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie (1977), 358(4),  
505-11  
CODEN: HSZPAZ; ISSN: 0018-4888  
DT Journal  
LA German  
OS CASREACT 87:1943

L10 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN  
AB Title only translated.  
AN 1977:155621 CAPLUS  
DN 86:155621  
TI Synthesis and study of cyclic hydrazides and N-aminoamides of naphthalic  
acid and its derivatives  
AU Krasovitskii, B. M.; Ostis, L. L.; Shevchenko, E. A.; Nesterkina, I. G.;  
Isadzhanyan, V. I.  
CS USSR  
SO Stsintillyatory i Organ. Lyuminofovy (1975), (4), 5-15  
From: Ref. Zh., Khim. 1976, Abstr. No. 22Zh273  
DT Journal  
LA Russian  
OS CASREACT 86:155621

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.10	182.62

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.84	-5.84

FILE 'REGISTRY' ENTERED AT 16:54:20 ON 14 OCT 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 12 OCT 2005 HIGHEST RN 865114-63-2  
DICTIONARY FILE UPDATES: 12 OCT 2005 HIGHEST RN 865114-63-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS

10616178

10/14/05

for details.

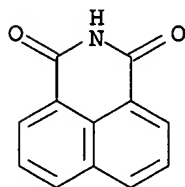
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

```
=> s naphthalimide/cn
L11      1 NAPHTHALIMIDE/CN
```

```
=> d
```

```
L11  ANSWER 1 OF 1  REGISTRY  COPYRIGHT`2005 ACS on STN
RN   81-83-4  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   1H-Benz[de]isoquinoline-1,3(2H)-dione (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Naphthalimide (6CI, 7CI, 8CI)
OTHER NAMES:
CN   1,8-Naphthalenedicarboximide
CN   1,8-Naphthalenedicarboxylic acid imide
CN   1,8-Naphthalimide
CN   NSC 11011
FS   3D CONCORD
MF   C12 H7 N O2
CI   COM
LC   STN Files:  BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,
      CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, HODOC*, IFICDB, IFIPAT, IFIUDB,
      PIRA, PROMT, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
      (*File contains numerically searchable property data)
Other Sources:  EINECS**, NDSL**, TSCA**
      (**Enter CHEMLIST File for up-to-date regulatory information)
```



**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

```
391 REFERENCES IN FILE CA (1907 TO DATE)
105 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
392 REFERENCES IN FILE CAPLUS (1907 TO DATE)
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
```

```
=> s l11 and diammonium
      5909 DIAMMONIUM
L12      0 L11 AND DIAMMONIUM
```

```
=> logoff y
COST IN U.S. DOLLARS                               SINCE FILE          TOTAL
```

10616178

10/14/05

FULL ESTIMATED COST	ENTRY 12.76	SESSION 195.38
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY 0.00	SESSION -5.84

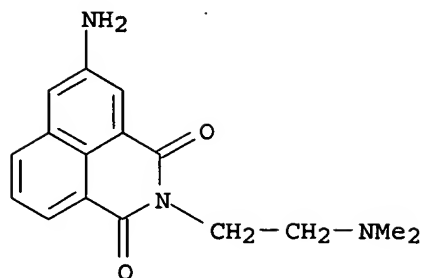
STN INTERNATIONAL LOGOFF AT 16:56:33 ON 14 OCT 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:

10616178

10/14/05



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

100 REFERENCES IN FILE CA (1907 TO DATE)  
9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
100 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s mitonfide/cn

L2 0 MITONFIDE/CN

=> s mitonafide/cn

L3 1 MITONAFIDE/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 54824-17-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 2-[2-(dimethylamino)ethyl]-5-nitro-(9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3-Nitro-N-(2-dimethylaminoethyl)-1,8-naphthalimide

CN M 4212

CN M 4212 (pharmaceutical)

CN **Mitonafide**

CN NSC 300288

FS 3D CONCORD

MF C16 H15 N3 O4

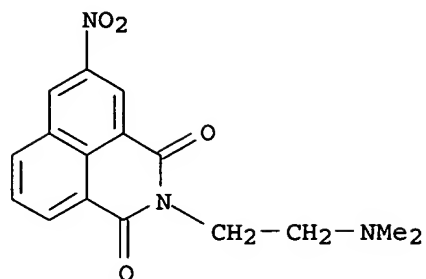
CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSRESEARCH, IPA, MEDLINE, PHAR, PROUSDDR, RTECS\*, SCISEARCH, TOXCENTER, USAN, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: WHO

10/14/05



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

56 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
56 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>